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In re Application of

FRANK RUTTKAMMER

Application Number

09/423274

Filed

01/27/00

Paper No. 11

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. 2001005990, page, \_\_\_\_\_ line \_\_\_\_\_,

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US 20010054901A1

(19) **United States**(12) **Patent Application Publication**  
**Puttkammer**(10) Pub. No.: **US 2001/0054901 A1**(43) Pub. Date: **Dec. 27, 2001**(54) **METHOD OF TESTING DOCUMENTS  
PROVIDED WITH OPTICO-DIFFRACTIVELY  
EFFECTIVE MARKINGS****Publication Classification**(51) Int. Cl.<sup>7</sup> ..... **G01R 31/08**(52) U.S. Cl. .... **324/519**(76) Inventor: **Frank Puttkammer, Coswig (DE)**Correspondence Address:  
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**Cambridge, MA 02138-2216 (US)**(57) **ABSTRACT**(21) Appl. No.: **09/931,694**(22) Filed: **Aug. 16, 2001****Related U.S. Application Data**(63) Continuation-in-part of application No. 09/423,274,  
filed on Jan. 27, 2000, now abandoned.(30) **Foreign Application Priority Data**

Apr. 25, 1997 (DE)..... 197 18 916.4

The invention relates to a method of examining the authenticity of a document provided with an optico-diffractively effective element or hologram by subjecting the hologram to capacitive coupling of a voltage and deriving a signal representative of the voltage for comparison with a reference signal representative of a hologram of an authentic document.

The method may be improved by providing, between individual segments of the hologram, additional security indicia providing a signal in response to being irradiated by electromagnetic radiation of a predetermined frequency.

